

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 3-7, 9, 10, 12 and 13 as follows.

LISTING OF CLAIMS

1. (currently amended) A radial fan with a housing and a fan impeller disposed ~~therein~~ within the housing, an air inlet of the housing and an air outlet of the housing, a pressure space being formed between the latter air inlet and the air outlet, wherein in front of the air inlet a laminar element is disposed which, in a bypass formed therein, comprises a sensor for recording at least one parameter of ~~[[the]]~~ medium flowing through the air inlet.

2. (previously presented) The radial fan according to Claim 1, wherein the laminar element consists of an arrangement of flow channels which are surrounded by an outer cylinder .

3. (currently amended) The radial fan according to Claim ~~[[1]]~~ 2, wherein the flow channels are formed in one element which is inserted in the outer cylinder, the bypass being formed between the ~~two components~~ one element and the outer cylinder.

4. (currently amended) The radial fan according to Claim ~~[[1]]~~ 3, wherein the bypass has an access gap and a discharge gap which are each formed between the one element and the outer cylinder.

5. (currently amended) The radial fan according to Claim 4, wherein the access gap and the discharge gap are in flow communication with ~~[[the]]~~ an inflow opening of the laminar element and ~~[[the]]~~ an outflow region of the ~~[[same]]~~ laminar element.

6. (currently amended) The radial fan according to Claim ~~[[3]]~~ 4, wherein behind the access gap, the bypass has a settling chamber for settling the air flow.

7. (currently amended) The radial fan according to Claim 5, wherein the sensor is disposed in/on a sensor channel which is in flow communication with a ~~respective~~ settling chamber by means of an inflow opening of the settling chamber and an outflow opening of the settling chamber.

8. (previously presented) The radial fan according to Claim 1, wherein an inflow channel for a further medium is formed between the laminar element and the air inlet of the housing.

9. (currently amended) The radial fan according to Claim 8, wherein the further medium flows in, evenly distributed over the whole of the air inlet of the housing.

10. (currently amended) The radial fan according to Claim ~~[[1]]~~ 8, wherein the further medium is supplied via a feed element.

11. (previously presented) The radial fan according to Claim 10, wherein the feed element has a sensor for the further medium.

12. (currently amended) The radial fan according to Claim 11, wherein the sensor for the further medium is disposed in a bypass which has a settling chamber.

13. (currently amended) The radial fan according to Claim 12, wherein the sensor for the further medium is disposed in a sensor channel which is in flow communication with the settling chamber by means of an inflow and an outflow.